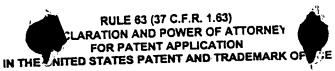


As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

			ELDING METAL C	DIVIPOREIVI 3			
the spec	ification of which (check ap	plicable box(s)):		,			
is is	attached hereto		as II C. Applicatio	e Coriol No			
	as filed on		as U.S. Application		22 June 199	8	
x w	as filed as PCT Internationa	al application No.	PCT/GB98/0165	on	22 Julie 199	<u> </u>	
and (if a	pplicable to U.S. or PCT ap	plication) was amended on		<del></del>			
amendmaccordar inventor that of the Priority I	nent referred to above. I ac noe with 37 C.F.R. 1.56. It is certificate listed below an ne application on which prio Foreign Application(s):	and understand the contents of knowledge the duty to disclos- nereby claim foreign priority be d have also identified below a rity is claimed or, if no priority	e information which enefits under 35 U.S iny foreign application is claimed, before t	is material to the p .C. 119/365 of any on for patent or inv	or transmity of the foreign application of the foreign application:	ition(s) for patent or	
<b>Applica</b>	tion Number		Country		Ua	20 June 1997	
9713209	9.6		Great Britain		<del></del>	20 3016 1007	
Applica	tion Number		Date/Month/Year Fi				
as the s	subject matter of each of the	U.S.C. 120/365 of all prior Ur e claims of this application is n owledge the duty to disclose on the national or PCT internations	not disclosed in such material information	as defined in 37 C	III UIC IIIaiiici p	notice by all met	
<b>M</b>	e (BCT Application/s):					Status: patented	
	S./PCT Application(s):		Day/Month/Year Fi	led		pending, abandoned	
	ation Serial No. 398/01650		22 June 1998			Pending	
μοινοί Li	390/01000			·			
Believe Bunisha Bepard B Floor Buorne Batent Vander 32106;	d to be true; and further that the by fine or imprisonmentize the validity of the applicor, Arlington, VA 22201-47 ys thereof (of the same additional and Trademark Office contracts, 27076; James T. Hosis Bryan H. Davidson, 30251 son, 30481; John R. Lastov Alan M. Kagen, 36178; Wi	s made herein of my own known to these statements were made to or any patent issued the rotation of any patent issued the rotation of	e with the knowledge of Title 18 of the Ui ereon. And I hereby 816-4000 (to whore yely my attorneys to resulting patent: Arth 31352; Richard G. E Leonard C. Mitchard Art 29366; Jihomas	a that willful false shited States Code appoint NIXON & n all communicat prosecute this appoint R. Crawford, 29esha, 22770; Mari 29009; Duane ME. Byrne, 32205; N	and that such w VANDERHYE f ions are to be blication and to 6 5327; Larry S. N k E. Nusbaum, 3 l. Byers, 33363; Mary J. Wilson, 3	illful false statements may P.C., 1100 North Glebe Rd., directed), and the following transact all business in the lixon, 25640; Robert A. 32348; Michael J. Keenan, Paul J. Henon, 33626; Jeffry 32955; J. Scott Davidson,	
		\			Date:	8/1/99	
1.	Inventor's Signature:		70000	WOLLA		British	
	inventor:	Tim	N.A.I	(la:		(citizenship)	
		(first)	MI	(state/country)	GB	(0.1120.101.11)	
	Residence: (city)	Bristol	- Citas Navas Ei				
Post Office Address: British Aerospace Airbus, New Filton House, Filton, Bristol, United Kingdom							
	(Zip Code)	BS99 7AR	<del>, , , , , , , , , , , , , , , , , , , </del>	/			
		156	/ /// /		Date:	2/1/39	
2.	Inventor's Signature:			PEDV		British	
	Inventor:	Richard	1.41			(citizenship)	
		(first)	MI	(la		(Muzchship)	
	Residence: (city)	Bristol	·	(state/country)			
	Post Office Address:	British Aerospace Airbus, N	lew Filton House, Fi	iton, Bristol, United	Ningaom		
	(Zip Code)	BS99 7AR					

FOR ADDITIONAL INVENTORS, check box X and attach sheet with same information and signature and date for each.



As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FRICTION WELDING METAL COMPONENTS

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,, ., .		FRICTIO	JN WELDING METAL GOIL			_	
bo c	acification o	f which (check app	licable box(s)):					
	is attached	hereto		as U.S. Application Se	erial No.			
	ume filed or	1		PCT/GB98/01650	0	n 22 June 1	998	
	61-4-6	OCT International	application No.		<del></del>			
		to U.S. or PCT app	lication) was amenued	on				
i her ame	eby state tha	t I have reviewed and red to above. I acknown I acknown as the	nd understand the cont nowledge the duty to di ereby claim foreign pric	ents of the above identified spisclose information which is marity benefits under 35 U.S.C. alow any foreign application for riority is claimed, before the fi	119/365 of a	ny toreign app oventor's certif	icate having a	
that	of the applica	ation on which brion	ity is deliniou on a re-	•			Day/Month/	Year Filed
Prio	rity Foreign A	application(s):	Country				20 June	1997
App	Application Number 9713209.6			Great Britain			20 00.10	
Apı	olication Nu	nber		Jnited States provisional appli Date/Month/Year Filed			-	
25	the subject m	natter of each of the	Claims of the deprise	rior United States and PCT in on is not disclosed in such price on such price of the material information as national filing date of this app	defined in 37	pplications list ns in the manr 7 C.F.R. 1.56 v	ed above or b ter provided b which occurre	<b>3 30  3  3</b>
		applications and the	e nauchar or r or a					Status: patented
<u>u</u>		A liention(s):			_			pending, abandoned
9	or U.S./PCT	Application(s):		Day/Month/Year Filed	l			Pending
A	plication Se	rial No.		22 June 1998				<u>,                                      </u>
PC	T/GB98/016	50						
# · ·							.f	d belief are
II.			and a baroin of my OV	vn knowledge are true and that te made with the knowledge th	at all stateme	ents made on i	ntormation an	ig peller are
Ω	ereby declar	e that all statements	s made nerelli di tily de	o made with the knowledge th	nat willful fals	se statements	and the like s	o made ale
-		Can ar imparentimen	I DE DOME, GRACE COOK					0 1401111 01000 11011
- 1. 1	محافيت الت	ualidity at the 2000C	MIGHT OF BITTY PRICE 100			antione are to	i ne nirecteu	J. and the following
	D = A - ii-	10100 VA 22201-41	( [4. [elephone name			application 30	n in transact o	411 DUSINGSS 111 B.O
		of fot the came 200	ILESS I HIGHAIGGGILLA GILLA .			. 05277.lam/	S MIYOH ZO	040. (1000) (1.7)
_		domark intice cool	INCIRCL LITER CANDING OF THE			AI E NUCDO	UM 1/140 IV	ilcitaei J. Meenen,
***		A76: James I mosi	MEL 30 104, 1705017 111		10000 Dunn	AM Duare (1	ishsi Paul J. I	Tellon, 33020, 33,
	242C. Daina I	<b>- Davideon 30/01</b>	SIZINEV C. OPCONON.	_	- 2000	E. Mane 1 Mills	enn 17955 J	. Stoll Davidson,
	Noison 304	181: John R. Lastov	a, 33149; H. Warren B	27393; Leonard C. Mitchard, 2 urnam, Jr. 29366; Thomas E. Robert A. Molan, 29834; B. J.	Sado# 366	63: James D.	Berguist, 347	76; Updeep S. Gill,
÷.⊥	2480: Alan M	Kagen, 36178; Wi	iliam J. Griffin, 31260;	urnam, Jr. 29366; Thomas E. Robert A. Molan, 29834; B. J.	. Sadon, 500	00, 00,1100 01		
3	7334.	, ragery e					1	l
J	1354.					(	Date: を/ 1 /	199
2	Inve	entor's Signature:				Bush		British
3		entor:	Paul			(last)		(citizenship)
	11176	sinoi.	(first)	MI				
	0	ridance: (cit/)			(state/countr	y) <u>GB</u>		
		sidence: (city) st Office Address:	British Aerospace A	irbus, New Filton House, Filto	n, Bristol, Ur	nitea Kingaom		
	200		BS99 7AR					
		(Zip Code)	0033 17(1)				D-1	
							Date:	
4.	••	entor's Signature:						(citizenship)
	Inv	entor:	(first)	MI		(last)		(GIUZGIIGIIIP)
		,	(11151)	••••	(state/count	ry)		
		sidence: (city)			•			
	Po	st Office Address:						
		(Zin Code)						

FOR ADDITIONAL INVENTORS, check box X and attach sheet with same information and signature and date for each.